SKILLING, HELLE, CHRISTIANSEN, ROBERTSON — Structural & Civil Engineers

PROJECT THE WORLD TRADE CENTER | TITLE FLOOR TRUSSES - INDEX & GENERAL NOTES | DATE 10-20-67

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GENERAL NOTES:

1. All material, including detail material not shown on these drawings to be Fy = 50 unless otherwise noted.

2. All floor truss angles have short legs vertical.

3. Horizontal shear forces between truss panel points and the composite concrete slab are indicated [ ] in the truss elevations. Where no shear force is given, the connection shall be proportioned for a force of 7 Kips (7). See Drawing 7-AB2-1 for additional notes for additional shear forces at trusses C32 and 24T.

4. Shear transfer connections and devices shall be proportioned for the indicated horizontal shear force [ ] acting simultaneously with the horizontal shear force requirements indicated in the drawings for 24T trusses. Such connections and devices shall be proportioned for shear forces from C32 & 24T trusses of both positive sign and of negative sign.

5. Contractor shall supply representative calculations and/or test results for each connection proportioned by the Contractor. All connections, details and the like are subject to approval by the Engineer.

6. End reactions of each truss are indicated in truss elevations as "R = ". Where no force is given, end connections shall be proportioned for a minimum reaction of 9 Kips (R = 9).

7. Truss shear, indicating minimum requirements for each truss web member, is tabulated across the bottom of the truss elevations. Where no shear is given, web members and their connections shall be proportioned for a minimum shear of 4.5 Kips.

8. All 32T trusses shall be cambered to a parabolic camber symmetrical about mid-span. Camber diagrams indicate required camber at mid-span.

9. Chord stresses are indicated in truss elevations as "P = ". Where no force is given each truss chord splice connection shall be proportioned for a minimum force of 23 Kips (P = 23).

   Vertical shear forces between adjacent panels are indicated in truss elevations as "V = ". Where no force is given, shear transfer connection shall be proportioned for a minimum force of 5 Kips (V = 5). Connections shall be proportioned for a shear force of both positive sign and negative sign.

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